

7665: i
Notes + Sketches
1872-3

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OXFORD

7665 i

W. T.

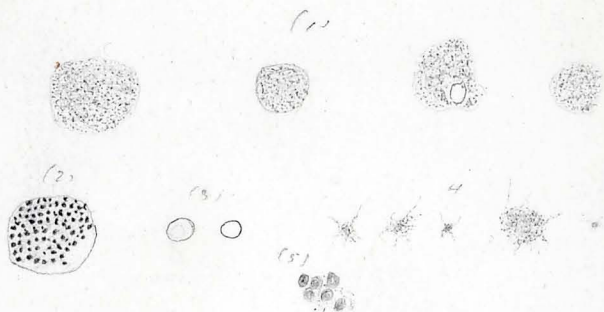
James Ogle

H. C. L.

London

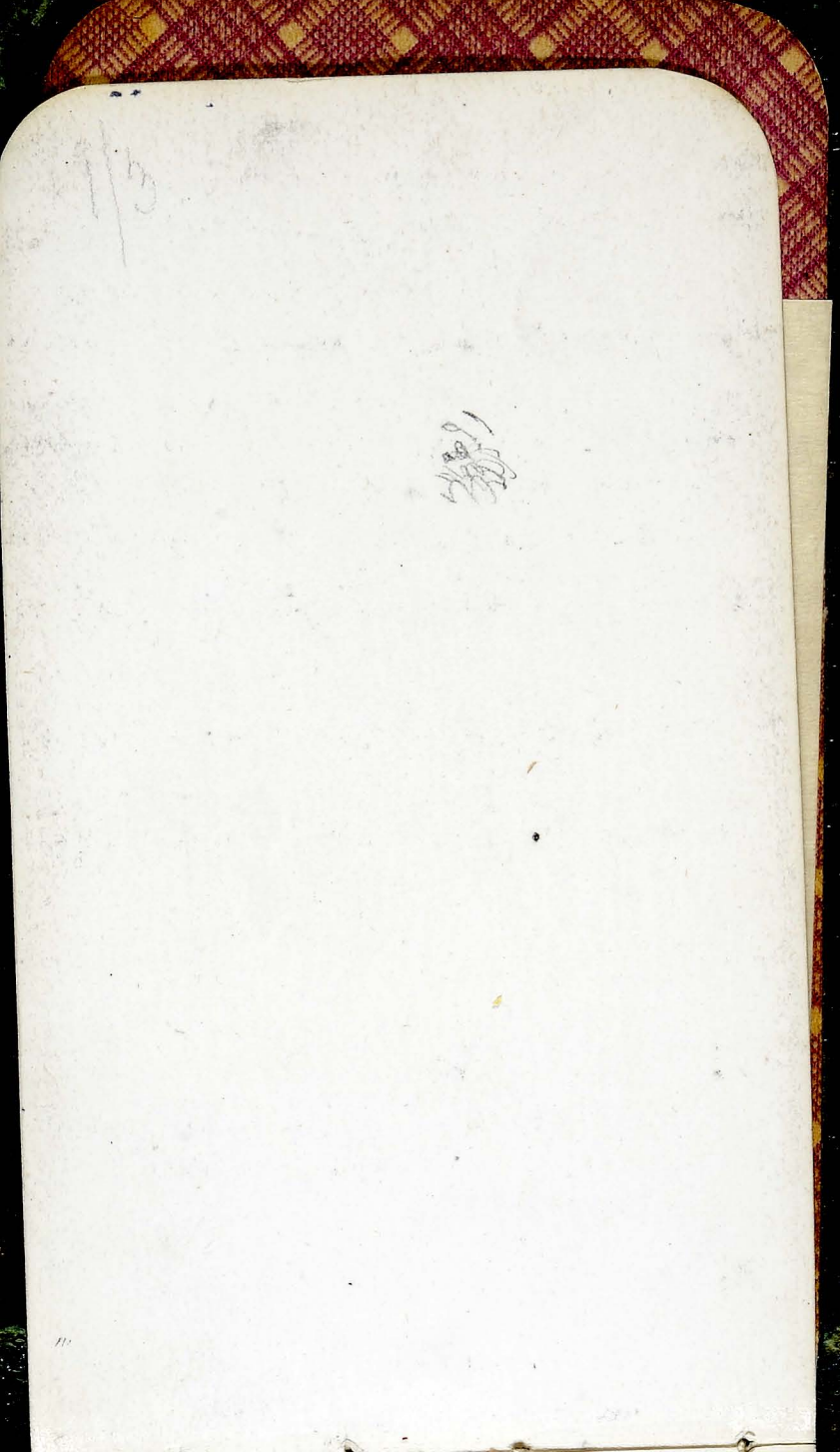
1872-73

4/6/73



Colourless elements of my blood

- (1) Ordinary white corpuscles of various sizes
- (2) Granular white corpuscles (2 prop. of 2 blood seen one 2 with 1 of 2 2 seen seen)
- (3) Pale elements about $\frac{1}{3}$ the size of an ordinary one, found either free or more usually associated with or forming the bulk of bacteria masses
- (4) Masses of various sizes perhaps related to the bacteria masses
- (5) Small brightly refracted corpuscles commonly in clusters, occasionally single (see (by myself?)





(1) Two like this, seen in a slide. (after 15 hrs fasting)

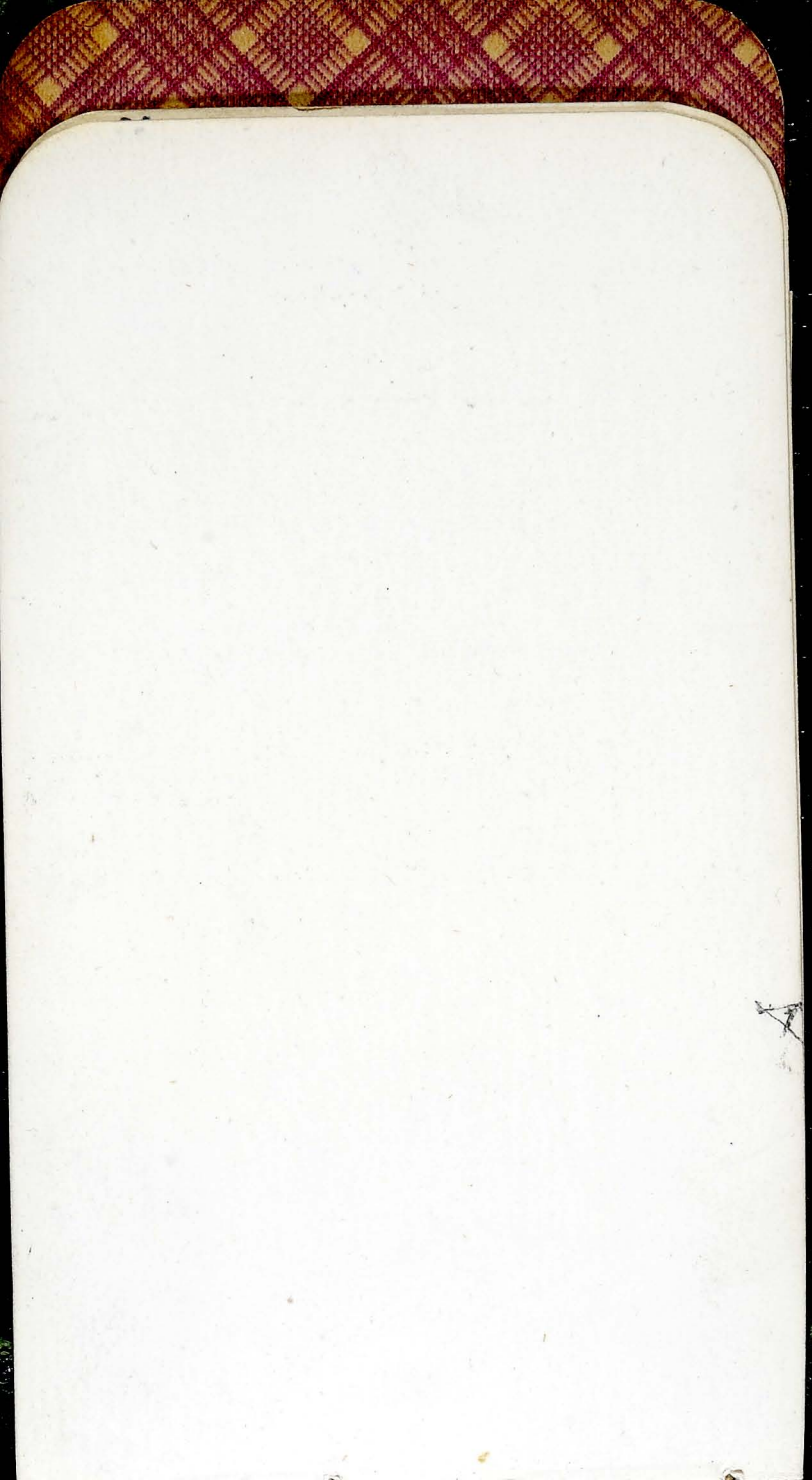
(4) Small capsule containing a few granules, miton-like, looks like a degenerated granule, one

(1) a granule white capsule containing with granules process & drawing a clear portion behind it

(2) Granule white with narrow, irregular clear process

7 rounds of my blood stained today 4 granule capsules in me & 3 in other met with

(3) Very active one spread out on cover-slip with a large clear space devoid of granules



5/6/73

(11)



Masses of granules, light staining, no structure
 clear edges & clear - no hair or other fibres used
 no 7. 44. take out

These are much more compact & with a better
 defined outline than those just met with
 for other side book

after 15 hours fasting there was no more to
 be found & about as numerous. On various
 stages for eight hours no development of Bacter
 after 24 hrs they had not disappeared

24/6/73 very pleomorphic



Granular white corpuscles" IV

7/6/13

Examined Hyland's blood, no saline
about three hours after breakfast

The granular white corpuscles were
almost if not quite as numerous
as the ordinary kind. Four in the
field of no 7. & 4 occurred twice & three
once. They were remarkably active
on the warm stage, much more so
than the common form, & the flapped
film of granules could be observed
in all

10/6/13

After fasting 15 hours I examined three
preparations of my blood. Granular
white corpuscles were found two in
two of the slides & one in the third
Fig. 15 represents the appearance of
one of both would be degenerated



21/6/73

V



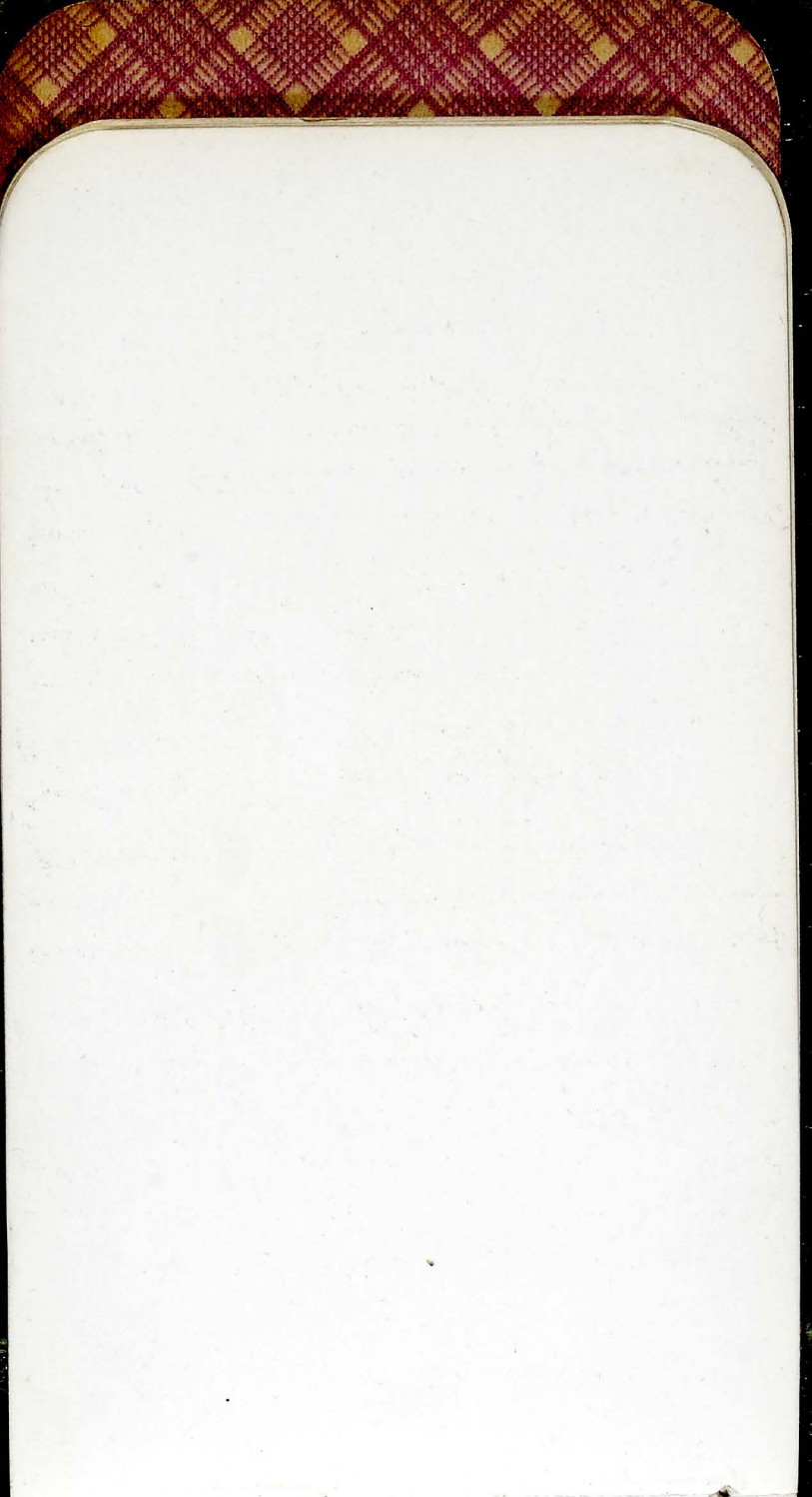
(11)



Examined two specimens of Mrs S. blood
 just before his luncheon, Granular corpuscles
 in each 4 in these field of small
 warm stage in one preparation & 6
 in the other. As seen like the
 above which was seen, quite un-
 unless & with but few granules com-
 paratively

1/7/73

Blood examined after 17 hrs fasting
 (2 preparations) 7 even granular
 corpuscles than have commonly been
 met with. 4-5 seen in one & 3 in the
 other specimen. One (fig 1) was
 seen, after extending a considerable
 length, & became a small portion
 filled with granules behind it
 as it retreated. Both portions
 continued to move



21/6/73

VI

Mr Schäfer blood

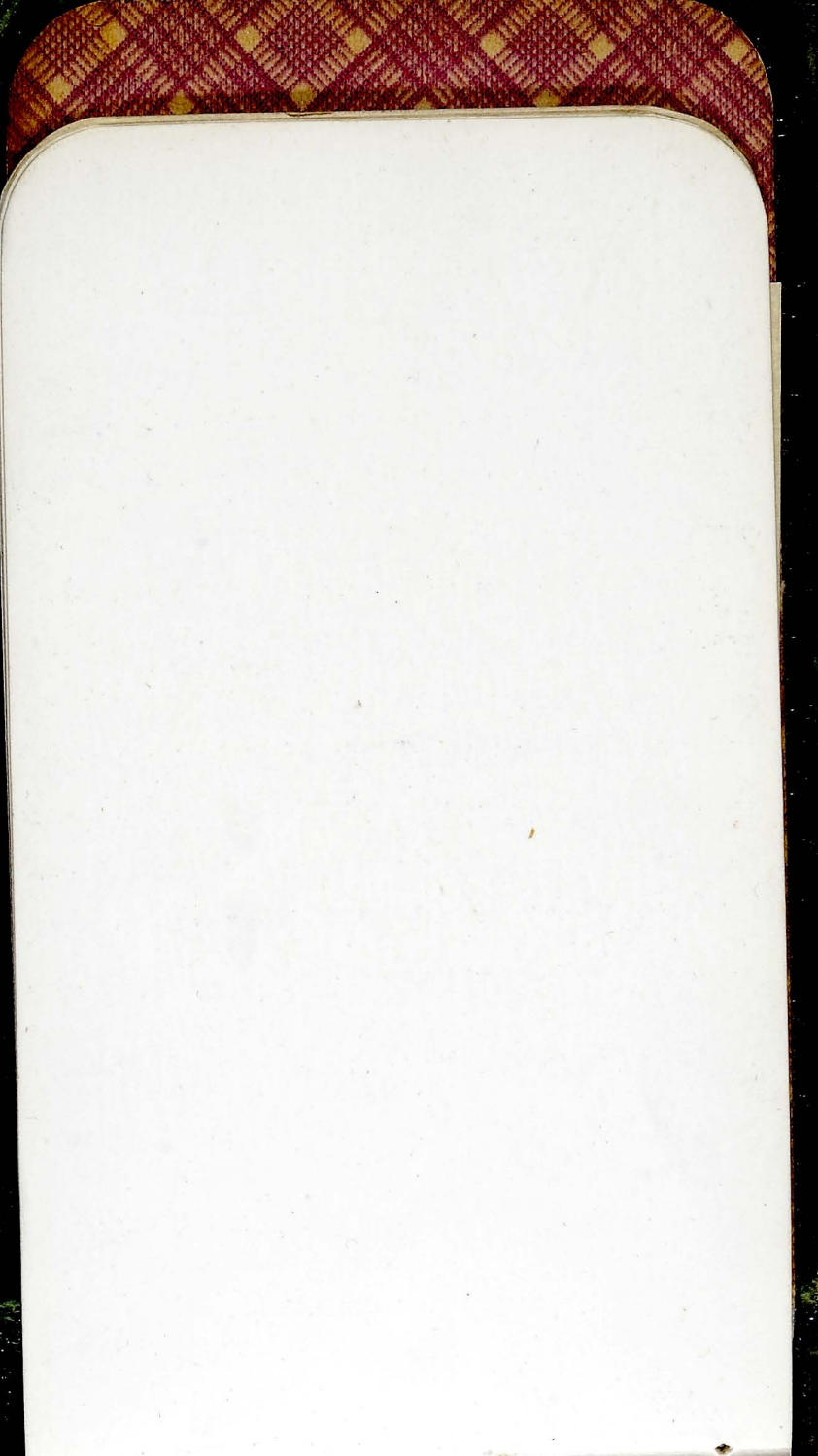
(1)



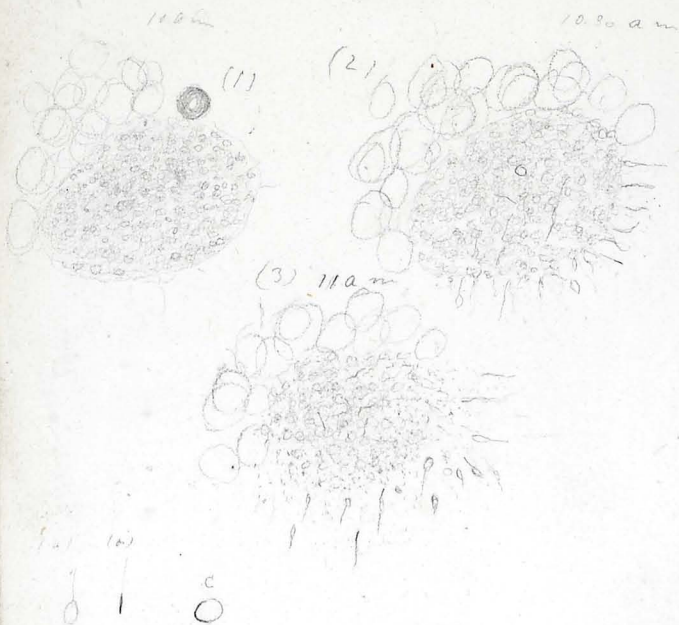
172



one or two masses like (1) of the
 above seen. The mass under
 observation - on a more stage -
 was at first rounded in outline
 & distinctly capsular, within
 two hours it had become more
 irregular in shape while about
 it were several bacteria in active
 movement, connected with it
 were small, vibrable filaments
 (Vibrio(?)) unspiral as a
 higher form was being developed
 it was lost. No 7 & 4. but

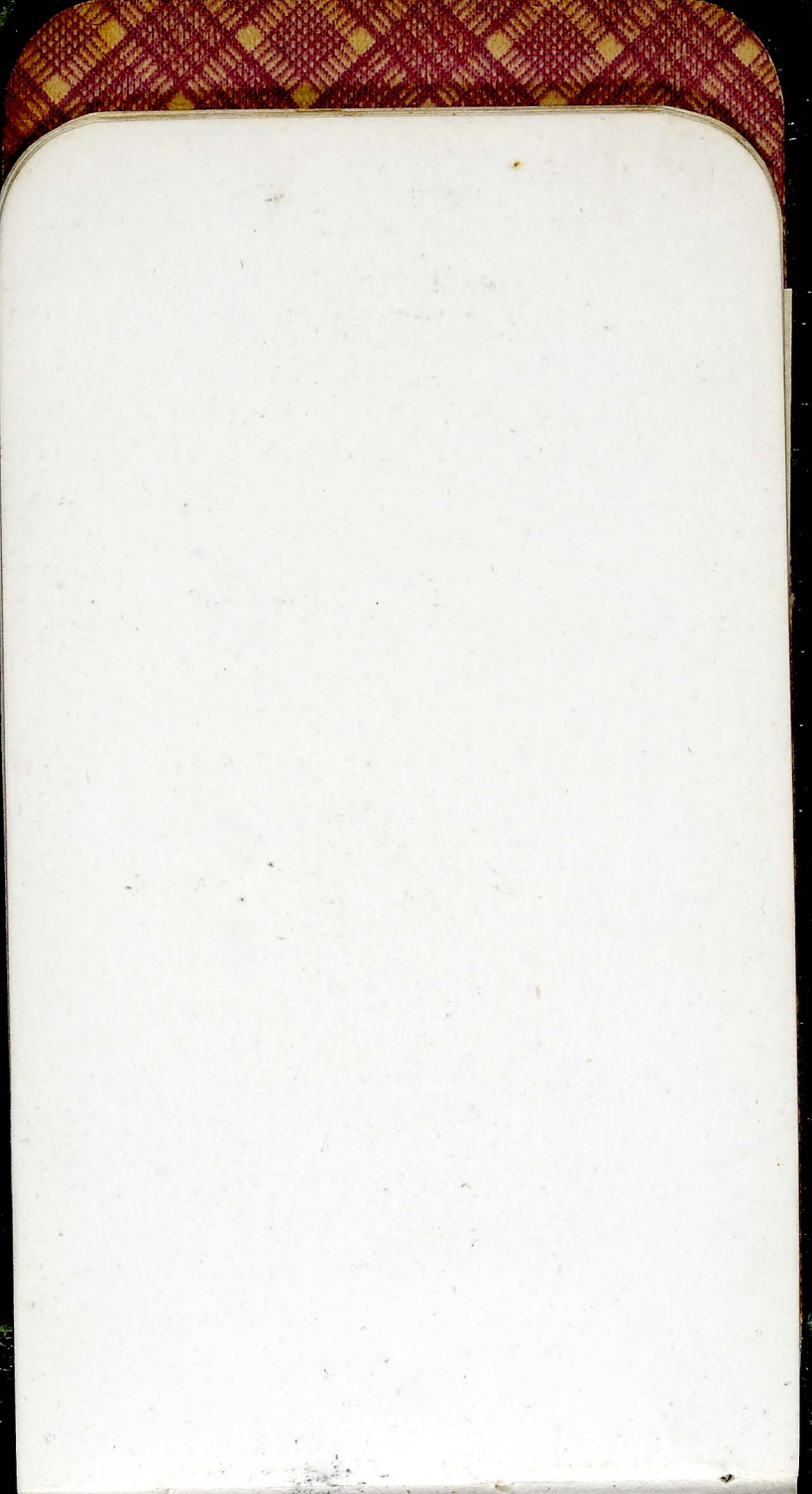


27/6/73



Bacteria developing from *M. mallei*
 (in saline)
 in blood (own). Observations began
 at 10 am & within an hour a mass
 in the focus numerous many bacteria
 seen at margins

a. b & c elements seen about the
 margins. a & b are two views of the
 same one

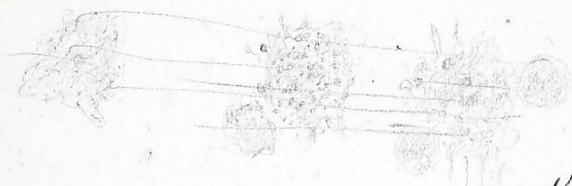


10.5 a.m.

VIII

10.40 a.m.

12. a.m.

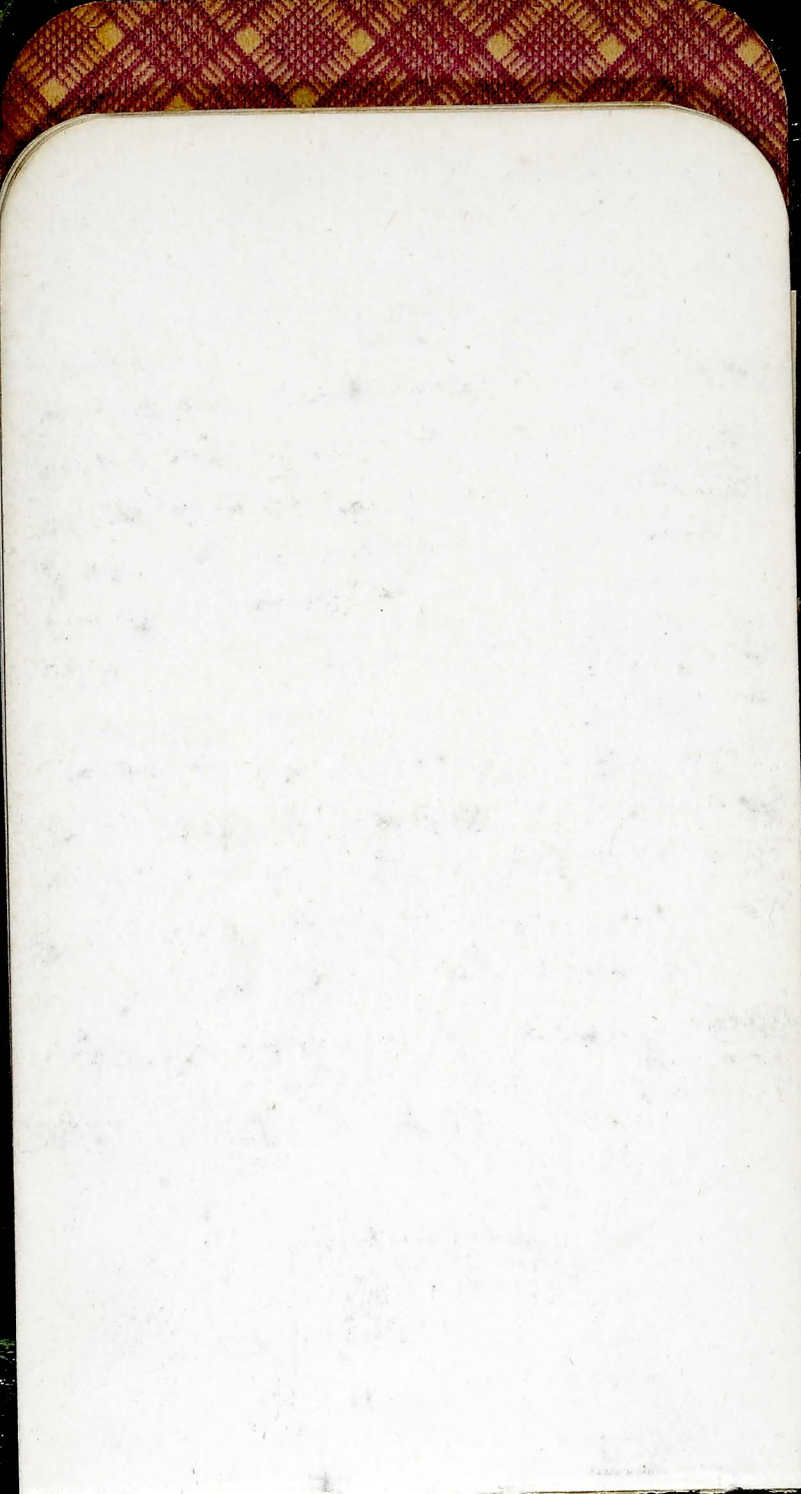


1/7/73

After fastening 17 hours

2 preparations of blood ^(birds in saline) examined under observation for 3 1/2 hours

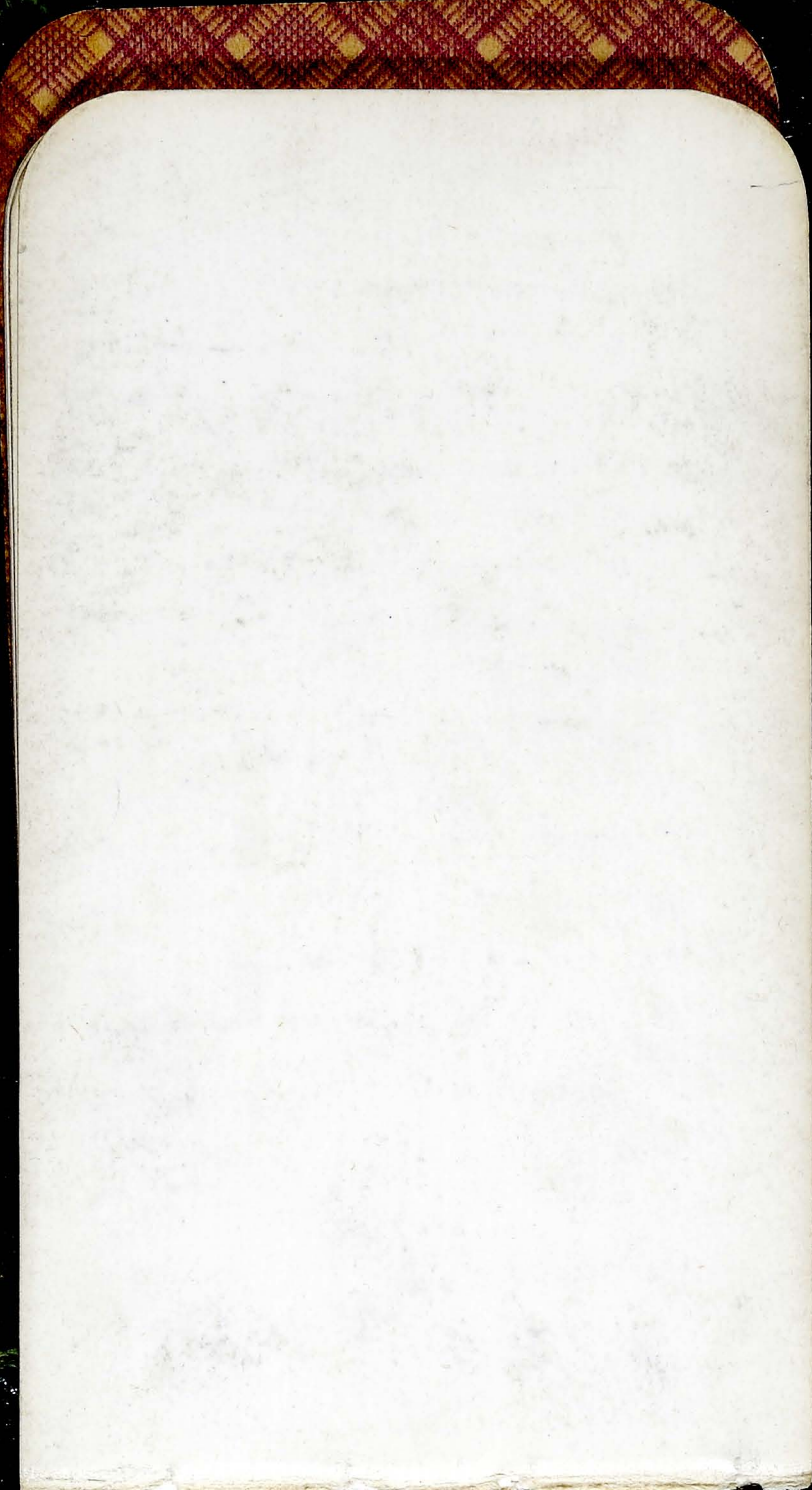
Masses found in both but many more larger in one specimen than the other. Most of them were pale blue apparently small embryos in them very visible. Bacteria developed from them but slow, such in each number as in previous occurrence. The same thickening in the margin of the embryos (O) was observed & many spermatazoa like bodies seen



Small partly punctiform
partly clubformige Körperchen
die sich lebhaft nach Art
Fibrinen in den zwischen-
räumen zwischen den gold-
rothlich angeordneten Blut-
Körperchen herumtummelten
Found them also in blood of
healthy blood occasionally
B. differentiale

(1) such Eubaciles as ζ an
Eubacillen of 650, appear as
punctiform, or dark granular
with a lateral knob
turn and herangezogen sein
sinn. bewegen.

(2) Ganz Klein bei meeres-
Vergrößerung von 1400-1500
eben noch wahrnehmbar
bloß durch ...



10.30

(1)

12.30

7/1/13

IX



○ (2)

(0.1.8)

11.10



no. 9

(Dors. blood.) in serum of rabbit subjected to
 a cannula had been injected with saline.

A mass (fig 1) watched for 2 1/2 hours
 at first it was quite round & only a little
 irregular, but within an hour the centre
 had disappeared & remaining border came
 to be at 3.15. Moving Noctera little a fig 2
 about the field not much activity at the mass
 itself.
 A second specimen in bulged saline
 (0.2) showed the development gradually

well



Young sat. (48 hours)

Masses very plentiful. Development moderately active & varied. All the forms seen which are present in *Utricularia* plurimura blood.

After 8 hours development - active many in the field like (c) also some apparently beaded filaments - a, d in slow motion about the masses movement of granular debris a few narrow, whip-shaped bodies attached to them.

X

2/7/73

Mr S. blood at 12.15. in build saline one specimen

No masses of any size seen. This one

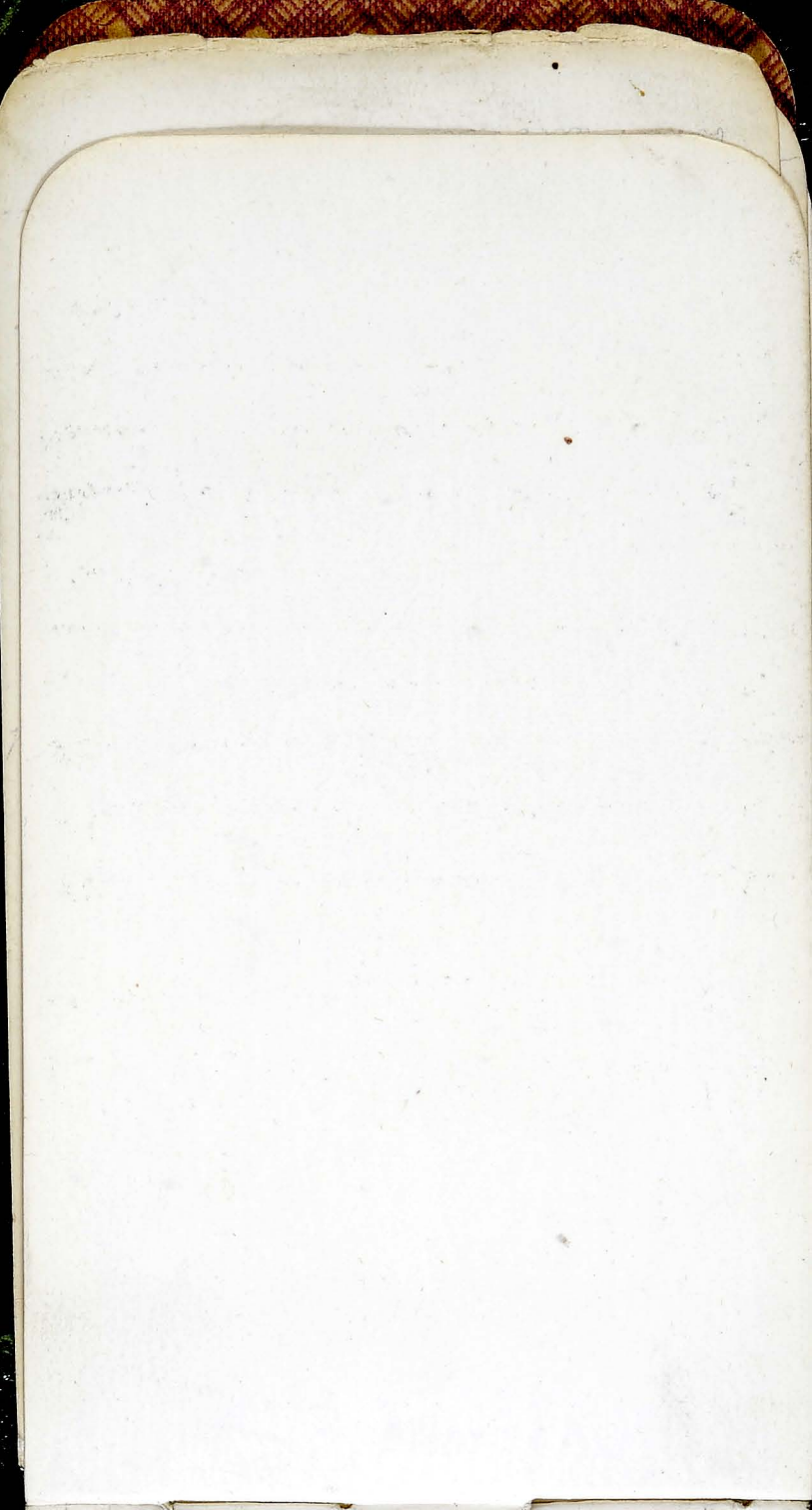


No 11

consisting of small pale corpuscles
noted. No change in them at 2.50

There were a considerable number
of granular white corpuscles in
this specimen. The granules however
were fewer than usual & the
corpuscles less active, perhaps from
battering

Blood of a young rat 4 days old
& examined (one specimen). Red of very
unequal sizes. Hardly any white
to be seen



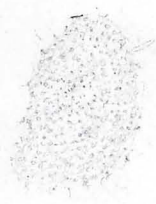
9.50 a.m.

12. a.m.

4/5/73

XI

(1)



(2)

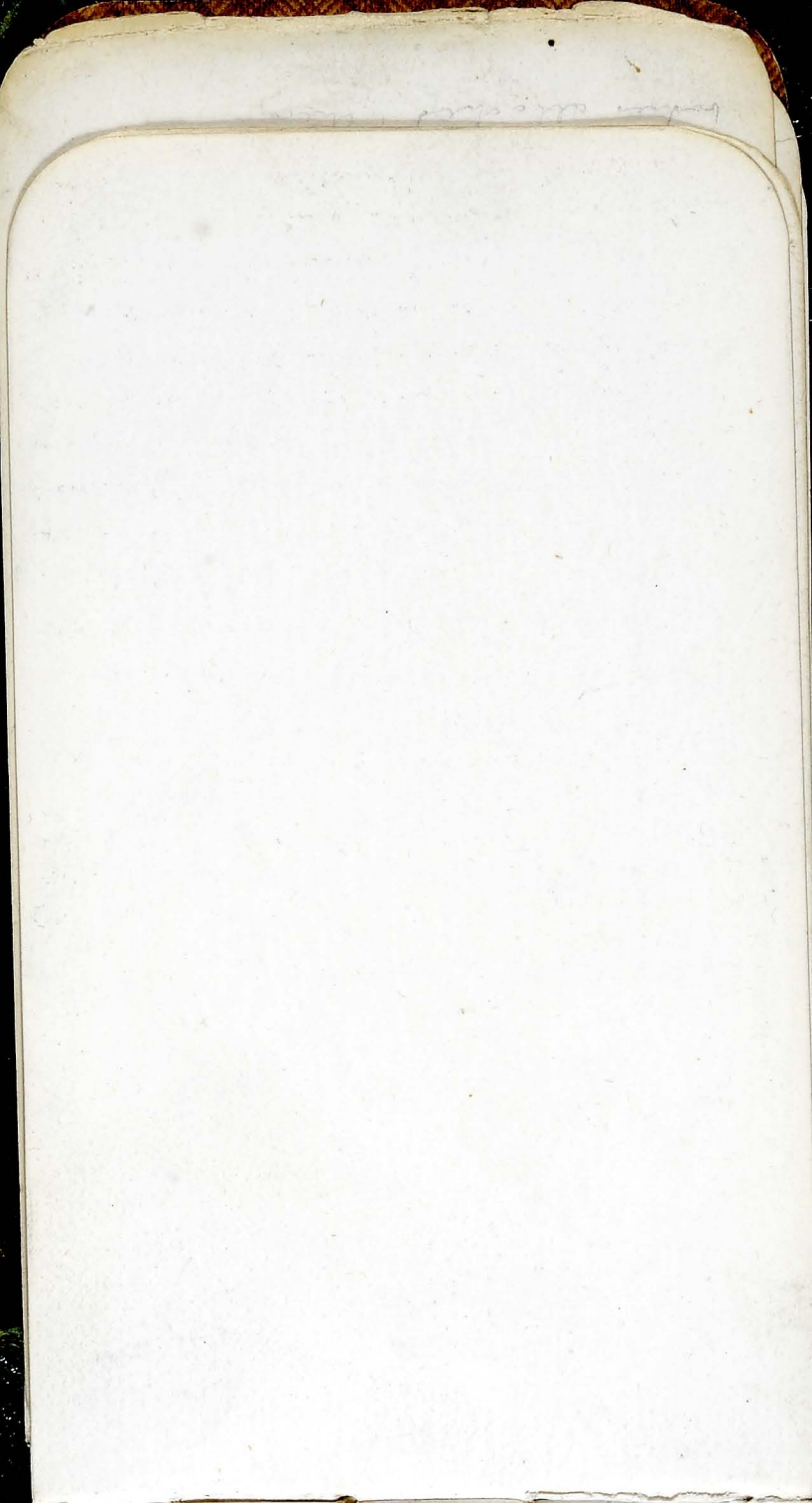


Mass about 20 of small ^{measurements} observations. ^{observed in bottle.}
 Saline. Many other masses in the specimen
 ranging from 8' - 25' of small measurements of 209
 v2

45' before the first. Base was seen moving
 in the field

Some small fine projections may be seen usually at once, but they become much more marked in half an hour & the mass assumes a stellate appearance. These filaments are at first motionless, but soon a vibratile movement may be observed & in from 30' - 60' they are seen as freely moving elements. Their form may be noticed when attached, & perfectly straight with no enlargement

(2) Slightly curved & with a knob like head. (3) Straight with enlargement at either the attached or free end



The *Barleria* when first measured
from 0.005-6 to 0.0140

Small cupressular elements may be
seen which in one aspect - (a. p. v. page) looks
like a sharp dark line while in the other
the pale outline of a cupressule may be traced

The mass above was watched for nearly
four hours & then the oil ran in

At five hours not much activity could
be seen about the masses which had
become pale & warty. All over the field
however *Practena* could be seen as depicted
in fig (2). The small ones either quite
straight or a little dumb bell shaped
seemed most numerous. Several forms
like a & H. were seen exhibiting *Practena*
like movement - in one aspect could not
be told from each. The forms 2 & 4 were
also well represented.

2-4 hours in warm days. *Practena* still to be seen in
the field. Masses visible but pale & warty

Slide in the cold for 3 1/2 hours. No *Practena* seen
Masses however may be in number & more
while cupressules were in moderately
active movement

London, 18th Dec 1841

[The remainder of the page contains extremely faint, illegible handwriting.]

Case of Addison's disease

Blood in boiled saline, warm stage
at 10.15

a few small dancing particles seen
about the field but no cordent & radent
masses numerous & large

Within an hour the mass under obser-
vation had lost its somewhat rounded
outline & radent filament could
be seen projecting from it. These are
the same in character of form as those
described from own blood & from case
of melanosis

a	b	c	d	e	f	g
○ 1	∩ ∩	∩	∩	∩	∩ ∩	∩ ∩

after

Form seen about the field five hours
afternoon. c & d were still attached to
a mass, structureless, & when first ob-
served was near the same one but in
30' had moved almost out of the field

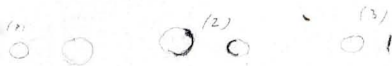
book attached to this

Case of Melanotic Cancer (Eye) Man,

Blood in baled saline (am. large at 10.15)
No free Bacteria, a few dancing granules
only seen at first

Masses very numerous & large
Two under observation are measured. No 11 & E.P.M.
60 of small size $\frac{1}{4000}$ " & breadth $\frac{1}{960}$ " The other
about 30 of 20

The large mass was observed a little flat-
tened, its cuticular nature was well
seen.



The cuticular measurement (No 11 & E.P.M.) from
 $\frac{1}{5000}$ to $\frac{1}{12000}$ of an inch. Most of them

are about $\frac{1}{10000}$ " and so far I recognize
three kinds (a) small pale ones with
with margins of uniform undulation (1)

(b) Large & small ones with one section
of circumference thickened (2)

(c) Watery ones. (3) They have not the peripheral thick-
Bacteria developed plentifully from these
masses, within an hour & were a little in
character to those in my own blood

The spermatozoa-like ones measured $\frac{1}{4000}$ "
the straight ones a little more $\frac{1}{3500}$ ". Others
smaller still $\frac{1}{8000}$ "



Prodent

24/9/74

when done after no. 100 - shaped
boxes attached to them

Case of Ague (pu day) ^{month} XLR

Strod in boiled saline

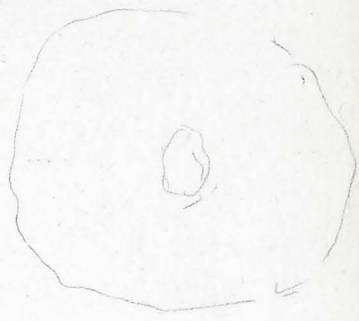
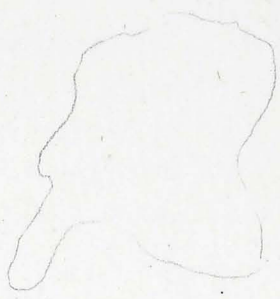
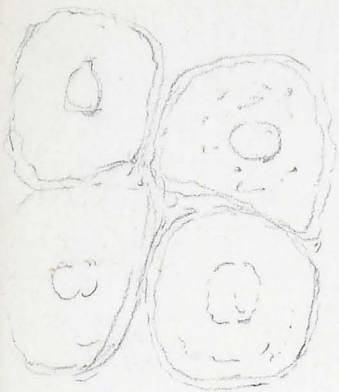
No masses were found. Very few
white corpuscles in the specimens

July 5th

Two specimens of my blood in the warm
chamber at 34°C

July 8th In one Strod had dried up
in other masses still visible, granular
& flattened, no Bacteria to be seen about
the field.

Handwritten text at the top of the page, possibly a title or description, which is mostly illegible due to fading and bleed-through.



Diabetes (woman) at 10.30
1/2 bottled saline 1/2 blood

Large number of white corpuscles
Masses numerous

Blood very fibrinous. Filaments
covering the field in all directions
12.00
Not very active development - Red are
very much aggregated together & surround
the masses.

3.00, Bacteria not plentiful. In many
of the masses, no covering from can be
seen. At the upper portion which on alter-
ing the focus they can be seen below

Handwritten text at the top of the page, possibly bleed-through from the reverse side. The text is faint and difficult to decipher but appears to include the words "The other" and "the other".

9/2/23 At 10.45. XIII

Addition decrease (Specimen No 2)

Masses not so numerous as
in the first specimen & several
still plenty could be seen

1 P.M.
Development in this specimen rather
slow. Masses large & contents very
well seen. The smallest ^{very} ~~one~~ part of in the
1/4000 " the most numerous are

1/8000 - 1/4000

4 P.M.
still a few to be seen, but from
some cause - look like volume? -
It has not been very successful

9/2/23 10 a.m. - no Bacteria to be seen

Faint, illegible handwriting at the top of the page, possibly bleed-through from the reverse side.



from page XVI

nature not evident -

In many instances the Bacteria are not specially troubled in the vicinity of microbes



9/7/73

a slide of over blood in warm chamber for 24 hours. Development not well marked a few small moving Bacteria about some of the masses of this form

(on blood)

And, like a very large white crystalline
 substance, dense and dark brown
 mass like decubitus and crops of masses 55



haben alle die 1. Teil

den oben angegebenen

22/7/73

Two specimens of same blood
masses pretty numerous
and large. Bacteria
developed with few of
usual forms seen

Specimen at 10 am cold

23/7/73 No Bacteria to be seen
in it. but most of the blood
had dried up.

The other specimens left over
sight in the cold. a few
moving forms seen. plan-
entaria or spermatorrhoea like
The were not very active
None like the large ones of
page XVI seen

London, the 1st of May 1789

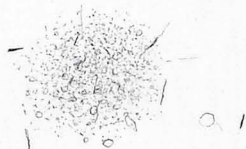
Dear Sir, I have the honor to acknowledge the receipt of your letter of the 27th inst. in relation to the above mentioned matter.

The enclosed papers will give you a full view of the state of the business, and I am confident that you will be satisfied with the result of the same. I have the honor to be, Sir, your obedient servant.

23/7/35

11 am

3.15 Pm



(a)
11 01

Mass from my blood, in boiled saline
in warm stage at 11 am. No 11
The first moving filament
broke away from the mass
at 11.45 & returned at (a). It &
the one figured at (b) were
followed for an hour & a half
& then were lost. No change
was observed in their form.
The development continued
moderately active & at 3.15 the
appearance of the mass was as above

24/7/35 10 am

after remaining all night without
warming. No free Bacteria of any
kind seen in the field. About
the masses a few moving corpuscles
were visible & one or two filaments
were seen attached to them

London 11th March 1841

Dear Mother

The page contains very faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text is too light to transcribe accurately.

XX

25/1/75

Case of Lecythis thomsonii (woman)
Great numbers of whole compressed
masses few in number, quite
difficult to find

Three small masses were watched
for a considerable time but no
change in development took
place.

Whole compressed very inactive
hardly one in four exhibited move-
ment -

26/1/75 Examined another life specimen
from same woman. No masses
found. Slide on the warm
stage within 8' after to have
movements compared to a few
& then not over a stone

over
the other side of the mountain - the
higher altitude of the

a b c d
91 01 1 |

no 11

Case of Pleuro-pneumonia (min)
Patient. tubercle & slightly jaundiced
Masses moderately numerous
but none very large

The above represented a mass as seen 45° of
century. It has a radiated aspect from a
number of hair like filaments - attached to
it - some of these are thickened, but at present
all are motionless. The mass is of considerable
thickness, hence its cylindrical nature is marked
Two small emboluses are seen moving at the lower
side of the mass - can be traced above

Masses 1/800 & 1/1200. The long filament seen above
to the right about 1/3000
a. b. c show the forms from the field within the next 45°
two of these can seen to be emboluses. The 3rd set
at 5 1/2 hours very little change noticed. Development has
been slow. The nature of the filaments cylindrical &
one (a) has just broken away & is moving freely
5 hours. only 2 seen about the field, one tubercle
No 11 has surrounded smaller in shape
for 1 1/2 hours

There are many things
in John's letter - which
I have already seen

24/7/73

11)
 Case of Rheumatic fever, (boy)
 Patient still febrile but affection
 is subsiding
 Masses scarce & .

The development did not pro-
 gress satisfactorily in this man
 one or two poor Bacteria only being
 seen

25/7/73 Rheumatic fever (man 20) at 10.25
 still febrile but joints not painful
 Masses sparse. The development
 in one watched over 1 1/2 hrs almost
 nil

that the ...
the ...
the ...

28/7/75

Care of egyptian tumour of brain (man)
 Patient anaemic & weak. at 10.30
 masses both large & numerous, with the corpuscular
 structure well mantled

A small moving corpuscle (01) was
 seen within 15' of the application of
 heat.

The red corpuscles have named
 themselves together in such a way
 as to obscure any clear view of the moving

Examined specimen of own blood
 no masses to be found

a marked difference in the size
 of the red corpuscles noticed and
 the diameter as taken with No 11 &
 c.p. mic. ranged from $\frac{3}{8000}$ the
 largest to $\frac{1}{8000}$ the smallest.
 the large may only be being about
 $\frac{1}{5000}$

about the ...
also ...
book attached

26/7/75

Examined the blood of the
 case of ^{or Tuberculosis} ~~ad~~ disease 8 hrs
 after the man's death. Body
 cool. rig. mites not in
 No masses found. One or
 two small moving phan-
 erals seen in the field, also
 attached (two of them) to a clear
 white disc. Many of the red
 are out shaped & curiously
 elongated some measuring
 in length $\frac{1}{2400}$. The rest
 are conical & subumbrellar
 - only, about $\frac{1}{500}$ in diameter.

about the same as the specimens of *Pan-*
ala debus 2 specimens attached - checked
bodies attached (etc.)

28/7/73

On the specimen of blood taken
 after death from man with
 ac. tube (see (XXIV) on Saturday
 & in which none of the masses
 were found. numerous Bacteria
 large & typical were found in
 the secondary organisms.
 They appear to spring from small
 aggregations such as these
 which are scattered over the
 field in various sizes.
 The Bacteria themselves are large
 & spindle, like in all respects
 to those found in case of mal-
 anemias see XVI

In blood taken from the heart
 on Saturday & left exposed to air
 till secondary organism Bacteria
 & masses like above were found
 the Bacteria were smaller &
 much more active, very
 much as usual

fulum of all patients as
well as in healthy individuals

about the same as in cases of par-
alytic delirium after malaria - shaped
bodies attached to them

Blood of a young rat 12 hours
old. Masses numerous
and large, corpuscular
nature very evident; Develop-
ment - as far as traced in
the slide well active

In form & structure they are
identical with the ones found
in human blood

See Page XII other end of note book
for development of them in the
capillaries

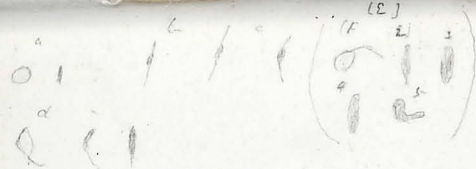
Zosterops embrioides. common
in eye, ear & beneath blood &
also in that of healthy people
while they fast in eye, eye & throat
They consist of fine albuminoid
probably of phlostinaceous
and dextrinoid callicin
substance. They are not fatty or
regular organs

Ex (Fischer's Arch., XXX IV
Page 172, foot note) in his
investigation on the density
of the blood had there corpus-
cles in one with the hope that
perhaps they might stand
in some relation to the presence
of red corpuscles, but finds
that they have no relation
He found them in the blood

about the same as in a case of gran-
ular debris, a few nucleated-shaped
bodies attached to them

XXX

3/7/73



youngest - 3 days old. fluid saline
more saline than blood

Development very active about a large
mass. 7 forms like (a) began to move
front others like b c d adhere to the
mass & afterwards break away

The one sketched at (d) was watched for
four hours and did not in that time mat-
terially alter its shape. It got among some
old corpuscles and remained quite motionless
& particularly concealed during the rest of the
observation.

The one at (E) was very large & distinctly tailed
at first, but afterwards it retracted & bore it
& became as (E.3) at about the 5th hour it again
showed a projection (E.3)

(b c d) were the commonest forms, after the 2nd
hour & indeed all through. Some of them were
very long, two measured $\frac{1}{1300}$ + $\frac{1}{900}$ inch long

(9) is a form they sometimes assume but only
in this observation towards the end of 5th hour
H shows subtriangular form looking like a horn in
one piece. (7) is a form from which tails spring in opp. direction
at $\frac{1}{2}$ hour the mass was very granular, only a few
small corpuscles could be seen. At or eight morning
forms were in the field & one rather filamentous
was still attached to the mass.

Blood from Marion
Cent. 1869. 149. Buzon
22 P. Neuman
in Arch. de Méd. 1869.
X 68-102

Christol in Hiener ^{B. in Rolz}

De la présence des Bact.
ries et des leucocytes
concurrente dans les
affections furcine-morveuses

Comptes rendus LXV II. 1054

Involled in Centralblatt
1869. p. 96) describe

"Small round strongly
lichtblühende Kugeln
von höchstens 0.0012 cm
+ wh. ..."

about the same ...
den ...
bodies attached ...

Blood from Marion
Cent. 1869. 149. *Requies*
22 P. Neuman
in Arch. de Méd. 1869.
X 68-102

Christol in *Thieme* ^{B. in Rolz}
De la présence des Bact.
ries et des leucocytes
concurrente dans les
affections furcine-morveuses
Comptes rendus LXXII. 1054
Involved in Centralblatt
1869. p. 96) describe
"Small round strongly
lichtblühende Kugeln
von höchstens 0.0012 cm
+ wh. in the movement"

about the same size as the ones of
the debris, a few narrow - shaped
bodies attached to them

See Erb. in Virchow. XXXIV
für Entwickelungsgeschichte
der rothen Blutkörperchen
in neuen Erschöpfen durch
in den Linsen & am. sind für
sie thut's that their prim
in very numbers in a favourable
sign

Virchow Arch XL1 527. Melsch
in der of blood

Neuman. Cent. 1868. p 689

in der of 57 in für. manure cells

Bizzozzeri Cent. 1868. 885-

in same

Bellalcherin. Ueber bewegliche
Körperchen im Blute. Wiener
Med. Presse. 1868. no 13

find in throat of var. tumor, in case
of Typhus, Echinum, intermittem
chilum. Hg. für Syph. Scalp. Per. etc
a tolerable large number of

about the same in some cases of
also detm. a few nucleated-shaped
bodies attached to them

Kölliker & Frenkel, in the
pale fine granular round
Körper in spleen vein blood

1865: p. 6

Erh. (Cent. Die Pathologie
ihre. Phy. u. therap. Wirkungen)
8. 36. Stm 17. Wurzburg. Stohet. 1865
described, Übergangsform between
sch. and carbonic acid bodies
means more conversion into
our carbonic acid. Found them
generally in the blood of. & pigs
& dogs, not of human men
speaks of them as of pale
color & Korymben. aurehen
in a preliminary comm. Cent 1865
p. 275. he speaks again of them
intermed form. of corpuscle &
says they are met with under
low tension - the very ones met with
are more frequent - esp.
after a profuse loss of blood when
the regenerative work is
going on in the capillary vessels

about the same as in a case of gran-
ular debris after malaria - shaped
bodies attached to them

For a long time I have been

about the manner in which I can
also define a few more things - perhaps
better attached than

about the masses in a number of years
also during a few months - shortest
bodies attached to them

about the masses of pieces of paper
also define a few notable - shaped
bodies attached to them.

about the same as in some of the
other debris a few small, sharp
bodies attached to them

11/10/75

Tube A opened at - 10.45 -
Two slides examined.

A few small granules some
dumb bell shaped, seen. No
masses or filaments. White
corpuscles very active

about the granules some amount of gran-
ular debris, a few needle-like shaped
bodies, attached to them

The masses from the above
of the above cat developed
very well in rats serum



About the large ones as is us-
ually the case the most active
development was seen

about the masses in a number of par-
ticular cases a few narrow, sharp
bodies attached to them

14/10/73

A cat in whose blood the masses were present, was bled into a superheated capsule & the blood defibrinated. Similar precautions were observed as ⁱⁿ with the exp. with the Rabbit every thing used being superheated. The blood was diluted nearly $\frac{1}{2}$ with saline solution & the pipettes were filled by breaking off one end of the closed end

about the mass in a number of places also debris a few narrow - shaped bodies attached to them

about the grasses in a number of years
when debris a few narrow - shaped
bushes attached to them

10/10/73

Tube C opened at 4.30 PM

No filaments, masses, or dumb-bell Bacteria to be seen. A few small particles only

11/10/73

Tube E opened at 10.30

No filaments or masses seen
a few small particles, some dumb-bell shaped - Bacteria

about the masses, many small particles
also debris, a few dumb-bell shaped
bodies, attached to them

10/10/73

Tube B pinned again at
10.30. Numerous masses
large and small, filament-
beaded - and dumb-bell
shaped Bacteria plentiful
in the specimen

The slide was warmed for 5-10
hours. No great alteration seen
in the masses but many fila-
ments & dumb-bell Bacteria
as in the field



about the masses many small
dumb-bell shaped bodies attached to them

No ordinary mares seen
but one or two small collect-
ions of granules (••••) and
some Ziphotherium filaments
(— — — — —) Tube sealed again
and kept in the chamber

In the vessels of the Pro male
of this rabbit the small corpus-
cles were numerous, but gen-
erally smaller than those
seen in the vessels of the young
rats. Several large mares
were seen on a broad flat
vein

10/10/73 ^{3.45 - P.M.} In the slide of Pip. B on the
wain all night & today many filam-
ents and mares are to be
seen some very large



about the mares in a number of places
also debris of a few minute sharp
bodies attached to them

9/10/75. at 10.30
A rabbit - slightly mazy -
in whose blood masses were
plentiful was bled into a sup-
erheated capsule & the blood
whipped with a glass rod to
remove the film. all the
capsules, pipettes, rods &
were superheated & kept from
touching anything in a heated
capsule. The pipettes were
filled by breaking off one
point under the fluid. The
A was filled with pure blood
& ~~the rest~~ the rest with blood
& saline solution, roughly
mixed

B had the blood sucked into
it. H. is a tube filled with red
waxy saline

The tubes were then placed in the
warm chamber at about 36°

Tube B. taken out at 34.5

about the masses were covered of gran-
ular debris, a few narrow, sharp
bodies, attached to them

7/10/73

Examined the blood of a
9. pig in its own serum; the
blood was taken from the
heart - $3/4$ of an hour after
death
No development - took place

9/10/73

a dead rabbit - slightly more
very thin
Kafes plentiful & develop-
ment in saline moderate

about the same as in a number of years
also debris after many tests - shaped
bodies, attached to them

Mass from a young rat - one day old
at 9.25

Development - moderately active.
The one sketched above was chosen for observation. It was seen within in $\frac{3}{4}$ of an hour attached to the mass & vibrating slightly at 70' still about the mass, but for some time or other no changes took place in this mass after about an hour. The form above remained apparently connected with the mass - did not move away. In other masses on this slide the development was slight.

See end in volume XXXIV

für die Geschichte der römischen Kaiserzeit

in dem 1. Band der Geschichte

der römischen Kaiserzeit

von dem Verfasser

in der Geschichte

von dem Verfasser

in der Geschichte

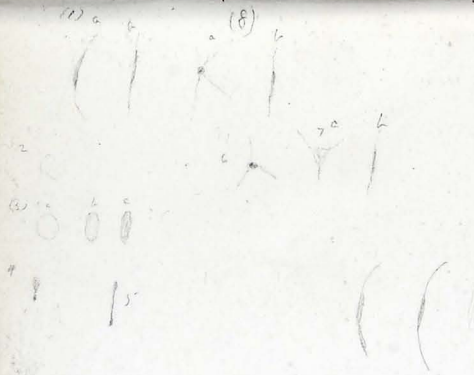
von dem Verfasser

in der Geschichte

von dem Verfasser

in der Geschichte

von dem Verfasser



at 12 a.m.

Mass - large one - from blood of young
 rat - 24 hrs old. Development very
 active. Vibrating filaments were con-
 nected with the mass in 20'

Forms like (1) most numerous and 10-12
 could be counted in the petal at the
 end of an hour

Fig 1 showing about 1-1200 per inch in
 the one under special observation

(3) measure about 2400 per inch

Development was very rapid for 2 1/2 hours
 forms like (1) most plentiful, others

the 2, 3, 4, 5 also seen.

6, 7, & 8 represent forms seen in the third
 hour, which have distinctly three tails,
 though in one aspect - as to fig 8 - they seem
 only to have two. There were possibly numerous

(7) was a most common form

Some also looked as though there were
 more than three tails. Others I am doubtful
 of from hours to my mass. Others in field ground
 - Swift no full details to be seen

Walden - 7 miles in the

part for preservation and
transfer in afternoon near Wood

1865: P. 6

Int. (Carth. Die Admonition)

John P. H. in (Harsh Admonition)
8.36 Jan 17th Wm. Wm. Wood. 1865

deaths - 1865 - 17th Wm. Wm. Wood. 1865

of a red surface in woods
area was covered with

our surface also found there
generally in the kind of 8.36

o days, not glass in
the early afternoon on the part

of a broken surface
of a broken surface

underneath from 1865
says they are not with water

in condition - the very much
we are much prepared - 1865

after a perfect beam of light
the region from 1865
we are in the clear each other

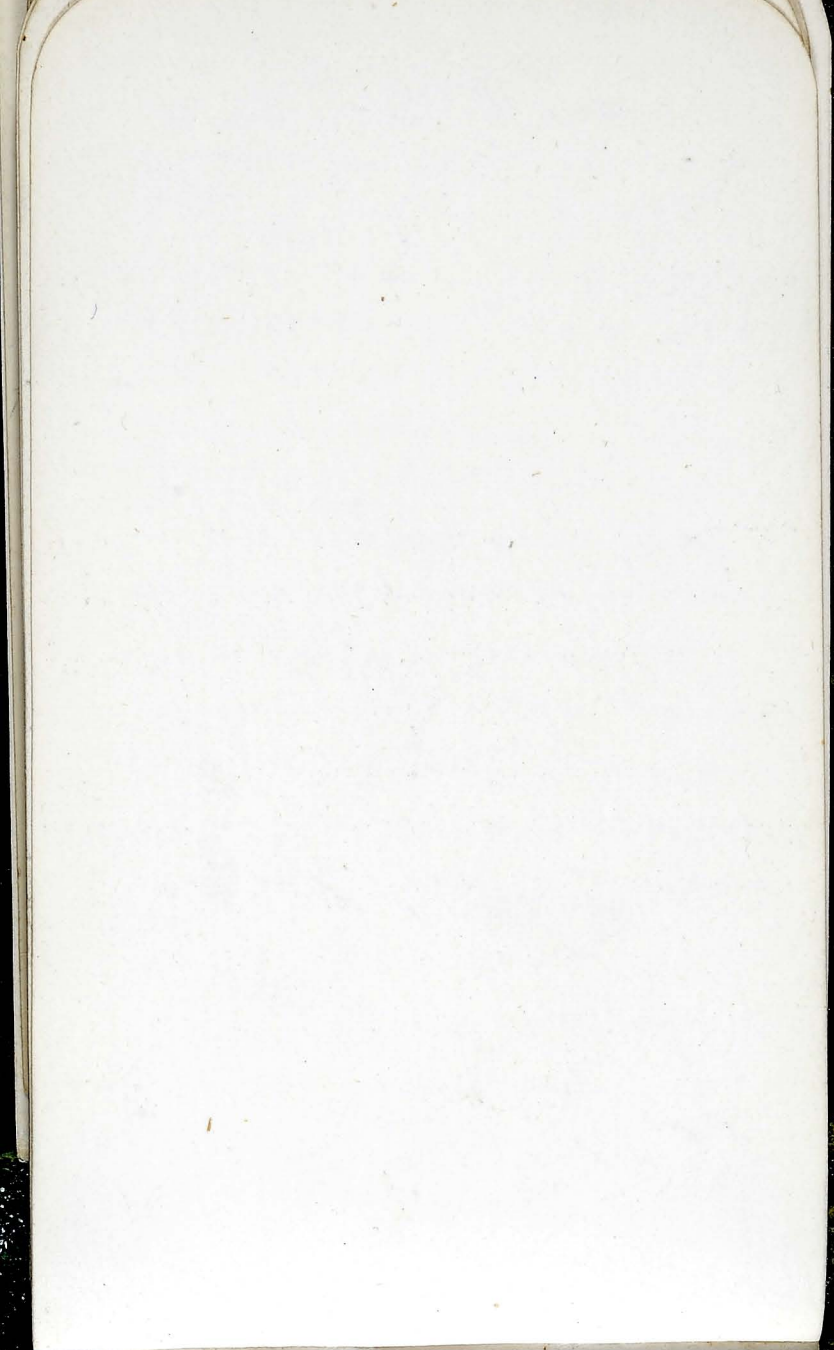
about the same in 1865
the date of the month - 1865
taken at the 1865



Masses like 1 & 2 found in
blood of young rat. They consist of
isolated corpuscles not quite like
those of the other masses but darker
in appearance. Filaments like 3 & 4
seen in the urine (voided) met
with 3-4 hours after muzzing
7 & 2 now are seen already during

about the same time - perhaps
the other side of the mountain
taken at the same time

July 18 1861



2/8/73

Young rat's blood in 10%
saline.

Masses numerous. Develop-
ment almost nil. A few
filaments detached from the
masses of (—) this type.
The small corpuscles were
very evident both in the
masses & around the margins.

Rats blood. (2 day old) in
water 2 of the 1 water

No development though
masses large & plentiful
crystals in abundance very
beautiful. Small corpuscles
swollen. After 3 hours masses
very granular but corpuscles
still evident.

about the same time
when John was made - perhaps
before the other

5/8/75

Don blood

(a) 2% saline

Good sized mass watched
3 1/2 hours, no change in
it whatever

(b) In distilled water.

for 3 1/2 hours, no development
while cutaneous cells continue their
movements - come true in this
medium

(c) in ordinary saline
masses small.

not very much development
none of the polacnemata form
~~seen~~

about the middle of the year
the cloth after made - finished
when collected & stored

Blood of young rat (5-days old)

in serum fresh from *G. pis*

The mass was a very large one stretching some across the field of the No 9 and when first seen ^{with} well defined outlines

Within an hour after the application of minute the whole field was swarming with *B. tetani*, while the edges of the mass were lost, blending with the moving filament & capsules.

The forms were very varied, many curled & few from

about the year 1700 - 1710
when John & Thomas - England
looked at the old

9/9/73

9: Pig 3 days old

(in saline)

Three specimens of blood examined
in two of which a few small mares
were found.

Development in a mair watched for
2 1/2 hours with No 12. slow.

11/9/73

9. Pig four days old

2 specimens of blood examined
only traces of the mair, one with

In Cabullam's from connective
tissue of back & in the mair only,
the small pale embuscles were
seen.

about the same number of years
the other few months. I had
taken all the day

Take a shower at 10.45 -
then clothes steamered.
A few small packages come
down with the mail, from the
various elements. While
entirely very quiet

11/20/75

12/9/73

(1)
0 1 1 1 1 0 0) (|

Forms seen within the search (a view)
during ~~four~~ hours, Form very int-
& hours old

(2) was a very large one which after two hours
shrivelled up & disappeared

Forms much the same ^{at} 3 1/2 hours

A very good mass watched for 3 hours
no development took place x
at the end of 24 hours no bacula seen
in the field

about the present in small part
the other a few months ahead
taken altogether a day


about the way men in the
world the case the most action
development was seen



The manner from the above
of the above and developed
greatly well in each person

15/2/73

in the cold

In a slide left since the 12th and
in which development had taken
place a few free Bacteria were
noticed (18) of that form also
at one portion of the slide
aggregation of small bodies were
seen  & others like those scattered
about - looking like the 9th form of Bacteria

Blood of rat (3 days) without any addition
A very good mass watched for 3 hours
no development took place x
at the end of 24 hours no bacteria seen
in the field

about the present year
the other - the market
taken, checked & etc.

10/10/13
A coal - in which the man
was seen present - was sold
into a substituted sample
The Board of Management found
on price - the man charged
as well as the 4 p. with the Royal
every thing was being refused
and the Board was deluded nearly
1/2 with false information &
the profits were filled by waste
was all made of the proceeds
of the Board of Management

9/9/23

(3 days)

Young rat's blood in sodic sulphate.
to prevent coagulation. Masses are
still formed but they are loosely
made up; the individual corpus-
cles being very evident & looking
smaller & less transparent.

No development took place in warming
after 3 hours watching x

Capillaries of c. tissue of back in saline
not warmed

B. corpuscles in the vessels some seen
1 at once (20' after death). after.

3 hours one or two (8) of these shape seen
in the vessels but motionless. nearly still
shrunken

about the grass in several years
the other - for many - days
taken, all the day

14/8/23
5

Blood of young rat 3 days old

a slide without serum no development took place after 8 hours warming, at the expiration of 24 hours no bacteria or moving could be seen.

Slide with serum not warmed at all. after 24 hours no filament seen.

Slide with saline, warmed for 3 hours no development, or very scanty. In this at the end of 24 hours moving filaments some of considerable length were seen. like this } } but now ordinary forms & in this preparation after 3 days a few filamentous like the above were seen as well as one or two distinct Bacteria

10/10/73

Tube C opened at 4.30 PM

No filaments, masses, or dumb-bell Bacteria to be seen. A few small particles only

11/10/73

Tube E opened at 10.30

No filaments or masses seen. a few small particles, some dumb-bell shaped - Bacteria

about the masses, many small particles
also debris, a few dumb-bell shaped
bodies, attached to them

young rat - 4 days old. starved for
24 hours

Murres scanty, only one or two
small ones seen, but in the batch
they are not so plentiful & in
another not starved they were
just as scarce

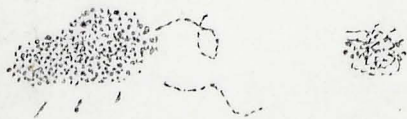
9/10/73

In blood ~~sections~~ ~~mounts~~ from the
rabbit in the experiment four
pages in, after the saline had been
added, several groups of bodies
such as below sketched were
observed. They always appear at the
upper layer of the field, present
no movement and after 3 hours
in the warm stage at 98 showed
no alteration in any respect; They
look very like the small corpuscles
seen in the capillaries of the young
rats, only they have a darker more
distinct outline

10/10/73

Tube B opened again at
10.30. Numerous masses
large and small, filament-
beaded - and dumb-bell
shaped Bacteria plentiful
in the specimen

The slide was warmed for 5-10
hours. No great alteration seen
in the masses but many fila-
ments & dumb-bell Bacteria
as in the field



about the masses many small
dumb-bell shaped bodies attached to them

29/9/73

(man 55 x 40)

Two cases of subparatubercularis, one of
15 months duration

Examined in saline. Masses
numerous but not very large

(20)

Case of ~~leishmania~~ (2 weeks after operation)
patient almost well.

Masses plentiful but small

Case of ulcer of leg (man 50)

Few masses

No ordinary mares seen
but one or two small collect-
ions of granules (••••) and
some Ziphotherium filaments
(— — — — —) Tube sealed again
and kept in the chamber

In the vessels of the Pro male
of this rabbit the small corpus-
cles were numerous, but gen-
erally smaller than those
seen in the vessels of the young
rats. Several large mares
were seen on a broad flat
vein

10/10/73 ^{3.45 - P.M.} In the slide of Pip. B on the
wain all night & today many filam-
ents and mares are to be
seen some very large



about the mares in a number of places
also debris of some nature - shaped
bodies attached to them

29/9/73

Rabbit (very many)

Masses numerous in the blood
vessels
& in capillaries of connective tissue
of the neck. The individual corpuscles
were well seen

30th

Rabbit same ^{one} as above. Blood in the
serum collected in the 29th. develop-
ment - went on very well
but in the serum collected today
more turbid place

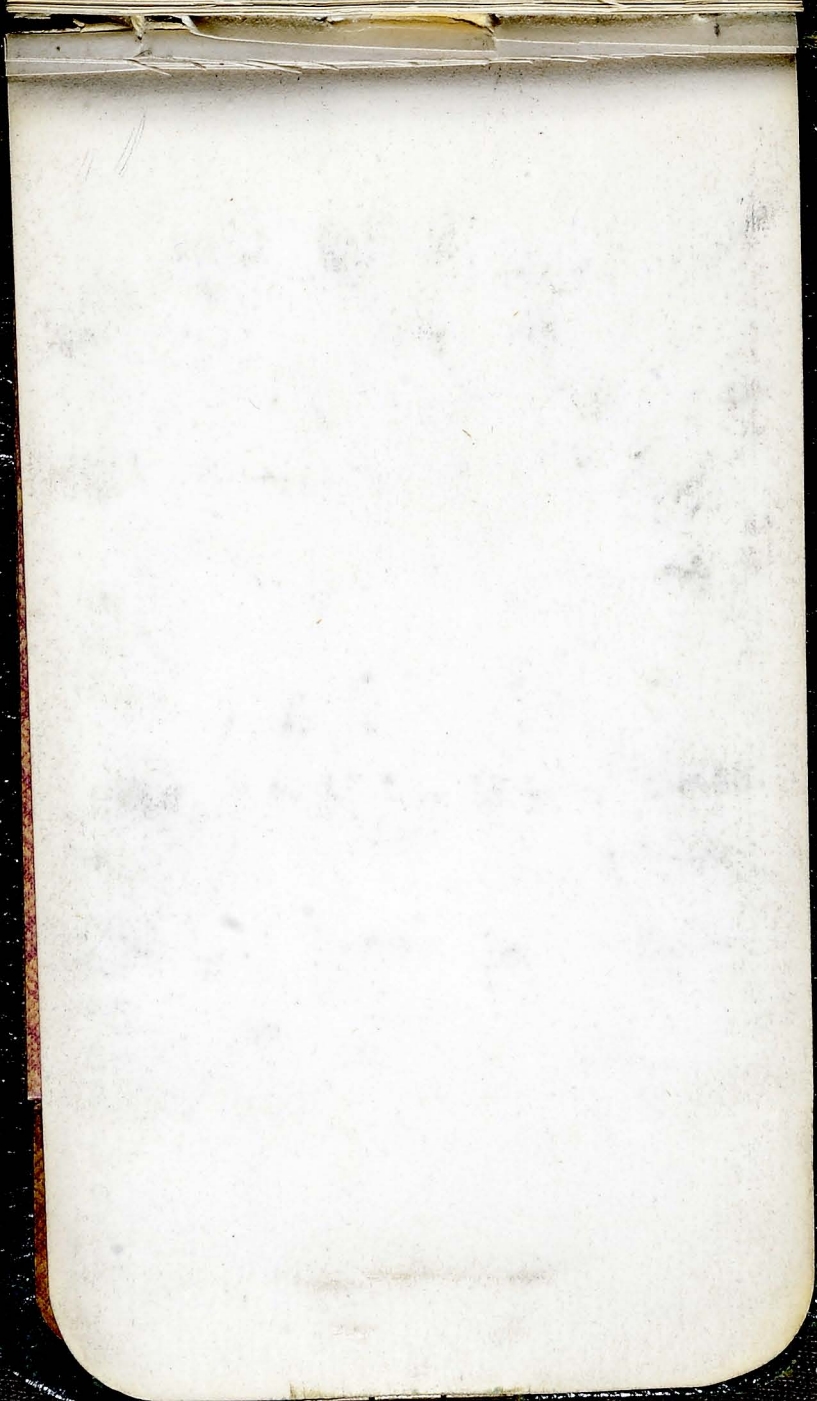
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in whose blood masses were
plentiful was bled into a sup-
erheated capsule & the blood
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remove the film. all the
capsules, pipettes, rods &
were superheated & kept from
touching anything in a heated
capsule. The pipettes were
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point under the fluid. The
A was filled with pure blood
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blood was taken from the
heart - $3/4$ of an hour after
death
No development - took place

9/10/73

a dead rabbit - slightly more
very thin
Kafes plentiful & develop-
ment in saline moderate

about the same as in a number of years
also debris after many tests - shaped
bodies, attached to them

about the present in small pieces
the other specimens - the
broken, all of the

1878

W. C. Coker

New York



